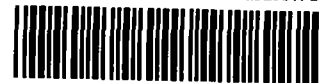


REILLY TAR & CHEMICAL CORPORATION



514184

TO: W. L. FINCH

OFFICE: ST. LOUIS PARK

FROM: W. A. JUSTIN

DATE: NOVEMBER 2,, 1970

SUBJECT: Pollution - Phenol Concentration

2
On October 15, 1970, five samples of water were obtained from points corresponding to one through five on the map attached to the Minnesota Pollution Control Agencies report of April 16, 1970. Samples were submitted to Twin City Testing for the purpose of phenol determinations. The following results were obtained, Sample one; 8.7 parts per million phenol, Sample two; 10.1 parts per million phenol, Sample three; 11.2 parts per million phenol, Sample four; 14.2 parts per million phenol, and Sample five; 0.43 parts per million phenol.

On October the 16th, 1970, Mr. Harde Barton and myself obtained samples of water from four lakes or ponding areas, in the general vicinity of our plant, as you had outlined to us previously. Sample No. 1 which was taken North of Cedar Lake Rd. approximately four blocks and on the West side of Highway #73, ran 5.2 parts per million phenol. Sample No. 2 obtained just Southwest of the Carriagehouse, ran 0.10 parts per million phenol. Sample No. 3 which was taken in the ponding area behind Cedar Manor School, ran 0.20 parts per million phenol. Sample No. 4 taken in the vicinity of the radio station South of Highway #12, ran 0.20 parts per million phenol.

Very truly yours,

W. A. Justin

W. A. Justin

WAJ:SJG

208028

REILLY TAR & CHEMICAL CORPORATION

Approved: _____

Mr. O.B. Edwards, Director,

The Reilly Laboratories

J.F. Sullivan.

August 27, 1938.

ST. LOUIS PARK - WATER ANALYSIS - SAMPLES #4809A & B.

These two samples were analyzed as follows:-

Sample #4809A - Marked "Drain Pitch Bed".

This sample came in two layers, a water layer representing about 10% of the sample, and a mud layer.

The water layer was decanted off and the oils were extracted with ether. The oils extracted with ether were found to be 0.45% or 4473 parts per million.

The mud layer was analyzed as follows:-

Oils extracted by ether 5.35% or 53,500 parts per million.

Loss 1 hour heating at 105°., 20.7%.

Ash, as is, 69.92%

The ash was clay dirt.

Sample #4809B - Water from drainage ditch, was analyzed as follows:-

Appearance, cloudy.

Settleable solids, settling approximately 96 hours, 800./l.

Appearance of solids, dark brown.

Solids, total, by evaporation, 4,200 parts per million.

Oils extracted by ether, 158 parts per million.

Phenol by Chapin test, 109 parts per million.

Sp. Gr. @ 25/15.6°., 1.002.

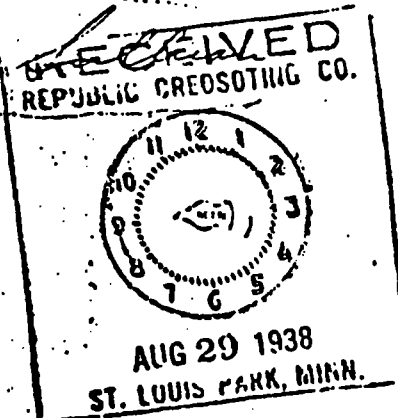
Very truly yours,

JFS:R

cc. Dr. Cislak.

cc. Minneapolis.

cc Mr. Edwards



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